

Educational Course Attendance Verification

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Safety & Buildings Division
201 W Washington Avenue
P O Box 7082
Madison WI 53707-7082
Phone: (608) 261-8500
TTY: (608) 264-8777

Instructions: Print all information clearly. Press hard so that the information is transferred to all three copies. Information contained in shaded and unshaded areas must be filled in by Attendee. Information contained in the shaded areas will be provided to you by the course instructor. The Course Password will not be given out until the end of the course. The Course Password is evidence that the Attendee was present for the entire course or successfully completed the course. Return the white and yellow copies (marked DIVISION and INSTRUCTOR) to the instructor. Retain the pink copy marked ATTENDEE. Retain verification forms for at least three years. Fill out all fields before turning in so hours attended are correctly credited to your credential. Instructors will mail the white copy (DIVISION COPY) to address above.

Attendee's Name (Last, First, Middle Initial): Name		Course Title/Name: COMMERCIAL CROSS CONNECTION CONTROL 2017			
Credential Number: Credential Number <small>Cannot process without this information</small>	City Course was Held in: Oshkosh	Course Password: ALREADY	Course ID #: 19135	Course Date (mo/dy/yr): 09/28/17	
Street Address or PO Box: Address	List the Name of Each Credential Held by Attendee				
City, State and Zip Code + 4: City, State, Zip					
Daytime Telephone Number (include area code): Telephone Number					
Attendee's Signature: Your Signature	DECLARATION: I believe that the information given on this form is true. I realize that a misstatement could result in disciplinary action under Comm 5.10, Wis. Adm. Code.				

Credit hours obtained at least 90 days prior to the expiration date of a credential apply as credit to the current credential period. Credit hours obtained less than 90 days to the expiration date of a credential are applied as credit to the next credential period.

SBD-9142 (R.2/03)

White-Division, Yellow-Instructor, Pink-Attendee

ASME A112.18.3



ASME A112.18.3

New Alternate Standard Approval letter out!

- Dated August 16, 2017; product file #20170218
- Valid until end of August, 2022
- Supersedes approval issued August 18, 2015; product file #20120315.

ASME A112.18.3

Candidates:

- ✓ Pull-out style hose connected spray outlets

OR

- ✓ Plumbing appliance, faucet or fixture connected to a high purity water source

ASME A112.18.3

Stipulations:

- high and low hazard conditions
- installed in fixture supply or spray hose
- flow through the check valve is < 2.0 gpm
- device or fixture being supplied is ≤ 2.0 gpm

ASME A112.18.3

Stipulations (cont.):

- accessible for maintenance and testing
- tested before installation and once annually
- maximum 3/8" nominal fixture supply connector
- hose holder to prevent outlet from being submerged
- shall conform to CSA Standard CAN/CSA B64.3

ASME A112.18.3??



ASME A112.18.3??



ASME A112.18.3??



ASME A112.18.3??



ASME A112.18.3??



ASME A112.18.3??



ASME A112.18.1



ASME A112.18.1

SPS 384.20 Plumbing fixtures, appliances and equipment.

(6) FAUCETS, SPOUTS AND FIXTURE SUPPLY CONNECTORS. (a)

Except for circular and semi-circular wash fountains, all faucets and showerheads shall conform to ASME A112.18.1 or CAN/CSA B125.

(b) Circular and semi-circular wash fountains shall conform to the working pressure, burst pressure, discharge rate and product marking requirements of ASME A112.18.1 or CAN/CSA B125.

ASME A112.18.1

Question: Does the ASME Standard A112.18.1 include backflow protection?

Answer: Yes. Clause 4.7 of the standard reads: "Fittings shall be designed to protect the potable water supply from contamination due to backflow by a means that meet the applicable requirements of Clause 5.9.

Diverting and anti-siphoning devices incorporated into a fitting shall be removable for cleaning, repair, and replacement."

ASME A112.18.1

382.41(3) Cross Connection Control for Handheld Showers/Sprays on Faucets rb 031417

Q. Do handheld showers or sprays on faucets that meet ASME A112.18.1 required to have additional backflow protection?

A. Yes, unless one or more of the following apply:

1. There is written verification from ASME that the faucet has passed section 5.9 of the ASME standard.
2. There is a visible acceptable cross connection device, assembly, or method present.
3. There exists an ASME A112.18.3 marking (accompanying literature or on faucet);
4. Recognized by an acceptable 3RD party listing agency per 384.11, or
5. Has an alternate plumbing approval from DSPS.

ASME A112.18.1

382.41(3) Cross Connection Control for Handheld Showers/Sprays on Faucets (IAPMO Certification) rb 081617

Q: I have a faucet that includes a handheld shower or pull out spray. This faucet has an IAPMO certificate verifying compliance with ASME standard A112.18.1. Would this verify the faucet has been tested to meet the requirements of cross connection control, therefore approved for installation in Wisconsin?

A: Yes, this would meet the Wisconsin requirements for cross connection control. If an IAPMO compliance certificate is issued for a certain faucet model number, this faucet and any attachments sold with it have been tested and approved for backflow protection. This means the model number has been tested to the backflow requirements set forth in ASME standard A112.18.1. If the handheld shower or side spray is sold separately from a faucet; additional, approved backflow protection would be required.

Note: Compliance certificates may be found at pld.iapmo.org

ASME A112.18.1

QUESTION POSED

If a faucet receives certification from IAPMO as compliant with ASME A112.18.1, how are we certain backflow protection was included in your testing procedures?

REPLY

When a faucet is granted a UPC® or cUPC® listing, it must first comply with all applicable requirements in A112.18.1/B125.1. That includes clause 4.12 Cross-flow and clause 5.9 Backflow Prevention.

Compliance with a standard is verified through testing.

*Asst. Director of Certification
IAPMO R & T, Inc.*

ASME A112.18.1

QUESTION POSED

Some certifications call out for addition vacuum breakers, while others do not.

REPLY

Some certificates may have additional notes to indicate the use of a vacuum breaker. Sometimes, it depends on the manufacturer's preference on how the product is marketed. Some other times, it also depends on the intended use of the product. Some products do not require a vacuum breaker or additional backflow preventer. In those cases, there may not be any additional notes on the certificate. So there are various scenarios and the certificates may not look the same even when they are listed to the same performance standard.

*Assistant Director of Certification
IAPMO R & T, Inc.*

ASME A112.18.1

QUESTION POSED

So, to sum it up and make it easy, if you certify as meeting A112.18.1, we can be comfortable that it was tested for backflow protection unless otherwise noted on the certificate?

REPLY

In general, a faucet that is listed to A112.18.1 complies with all applicable requirements in the standard, including backflow prevention. We will be unable to certify the faucet if it fails to meet the backflow prevention requirements of A112.18.1.

*Assistant Director of Certification
IAPMO R & T, Inc.*

ASME A112.18.1

QUESTION POSED (cont.)

So, to sum it up and make it easy, if you certify as meeting A112.18.1, we can be comfortable that it was tested for backflow protection unless otherwise noted on the certificate?

REPLY (cont.)

Certain products such as a hand-held shower or a kitchen side spray may require an additional backflow preventer to comply with local plumbing codes during final installation. For example, a hand-held shower may be used with a variety of tub/shower faucets having various design and construction. The backflow prevention may be provided by a vacuum breaker, or anti-siphon diverter, or other means. On the other hand, if the product is a tub/shower faucet with a hand-held shower, the hand-held shower must comply with clause 5.9.3.

*Assistant Director of Certification
IAPMO R & T, Inc.*

ASME A112.18.1

QUESTION POSED

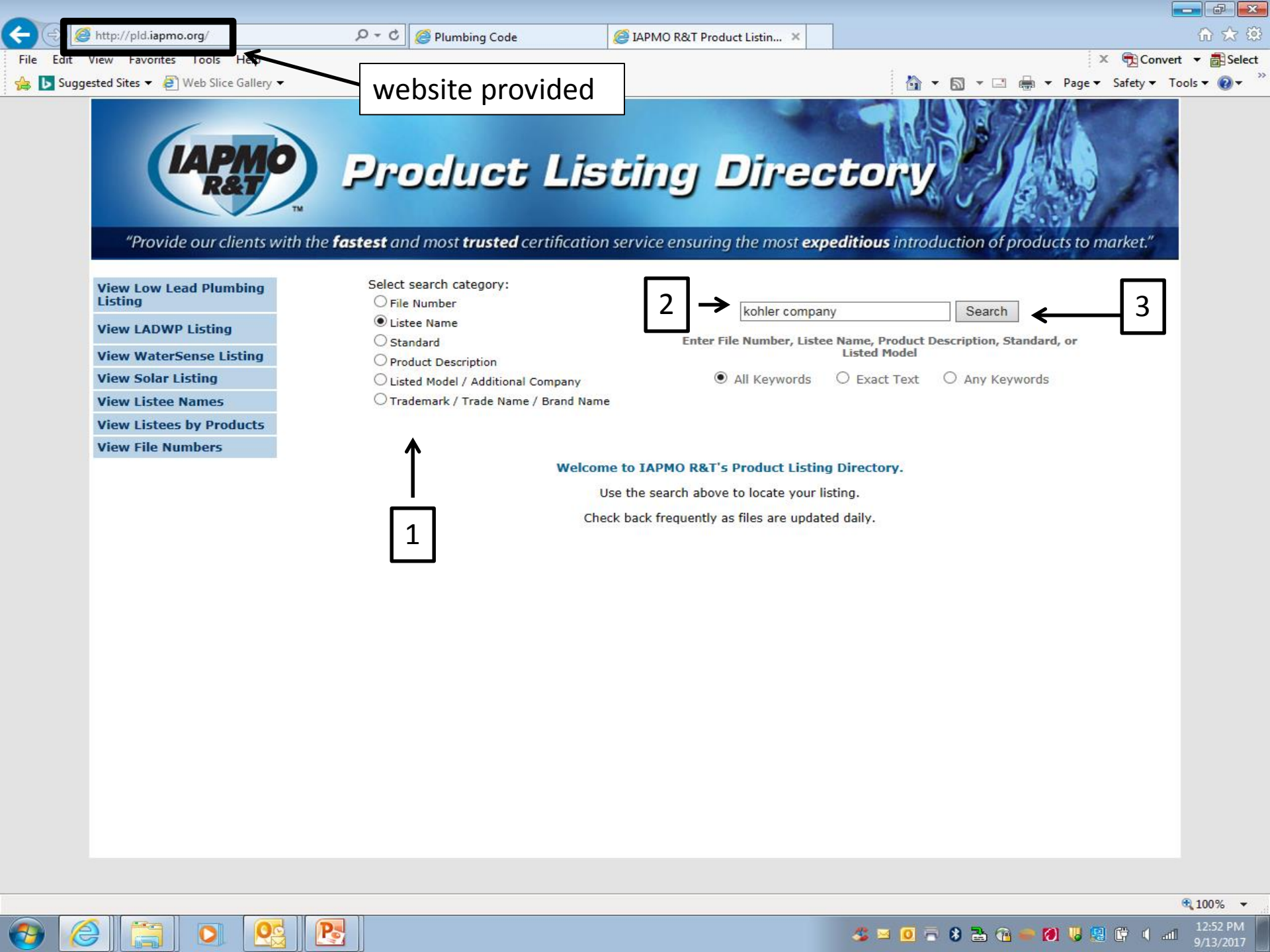
In the second paragraph of your reply, are you speaking of hand-held showers or kitchen side sprays that are sold separately?

If the faucet includes the hand-held shower or side spray when certification is requested, then it is all tested together and backflow protection is included?

REPLY

Yes, that is correct (for both of your questions below).

*Assistant Director of Certification
IAPMO R & T, Inc.*



http://pld.iapmo.org/

website provided

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View LADWP Listing

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2



kohler company

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3



Enter File Number, Listee Name, Product Description, Standard, or Listed Model

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1



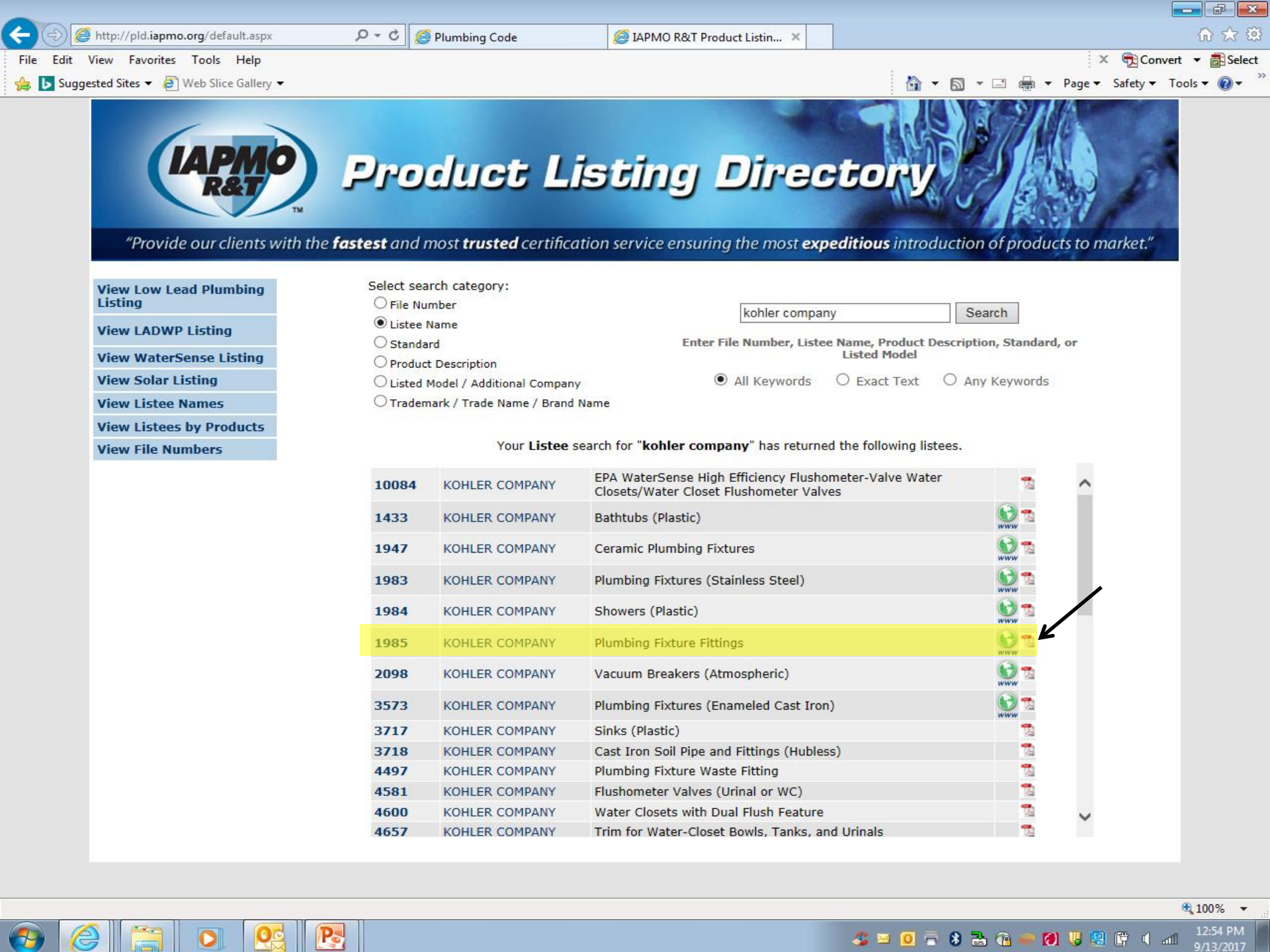
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Your **Listee** search for "**kohler company**" has returned the following listees.

10084	KOHLER COMPANY	EPA WaterSense High Efficiency Flushometer-Valve Water Closets/Water Closet Flushometer Valves	
1433	KOHLER COMPANY	Bathtubs (Plastic)	
1947	KOHLER COMPANY	Ceramic Plumbing Fixtures	
1983	KOHLER COMPANY	Plumbing Fixtures (Stainless Steel)	
1984	KOHLER COMPANY	Showers (Plastic)	
1985	KOHLER COMPANY	Plumbing Fixture Fittings	
2098	KOHLER COMPANY	Vacuum Breakers (Atmospheric)	
3573	KOHLER COMPANY	Plumbing Fixtures (Enameled Cast Iron)	
3717	KOHLER COMPANY	Sinks (Plastic)	
3718	KOHLER COMPANY	Cast Iron Soil Pipe and Fittings (Hubless)	
4497	KOHLER COMPANY	Plumbing Fixture Waste Fitting	
4581	KOHLER COMPANY	Flushometer Valves (Urinal or WC)	
4600	KOHLER COMPANY	Water Closets with Dual Flush Feature	
4657	KOHLER COMPANY	Trim for Water-Closet Bowls, Tanks, and Urinals	

this can now
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IAPMO RESEARCH AND TESTING, INC.

5001 East Philadelphia Street, Ontario, California 91761-2816 – USA • 909-472-4100 • 909-472-4244 • www.iapmort.org



CERTIFICATE OF LISTING

IAPMO Research and Testing, Inc. is a product certification body which tests and inspects samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

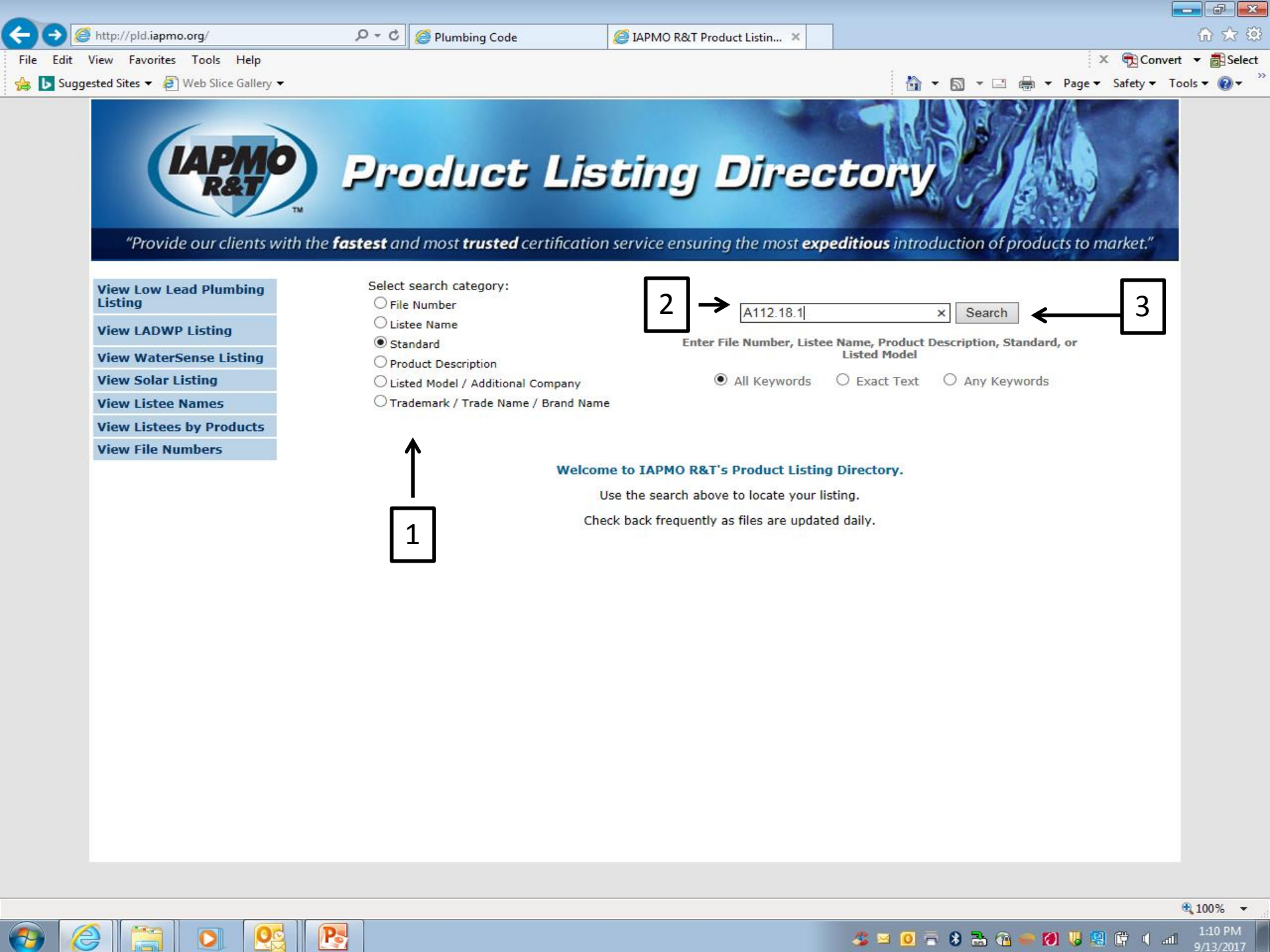
The most updated information on this Certificate of Listing is available online at pld.iapmo.org

Effective Date: February 2017 -Rev. 8/23/2017- Void After: February 2018

Product: Plumbing Fixture Fittings File No. 1985

Issued To: Kohler Company
444 Highland Drive
Kohler, WI 53044

Identification: Each fitting shall bear permanent legible markings to identify the manufacturer. This marking shall be the trade name, trademark, or other mark



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2



A112.18.1



Search



3

Enter File Number, Listee Name, Product Description, Standard, or Listed Model

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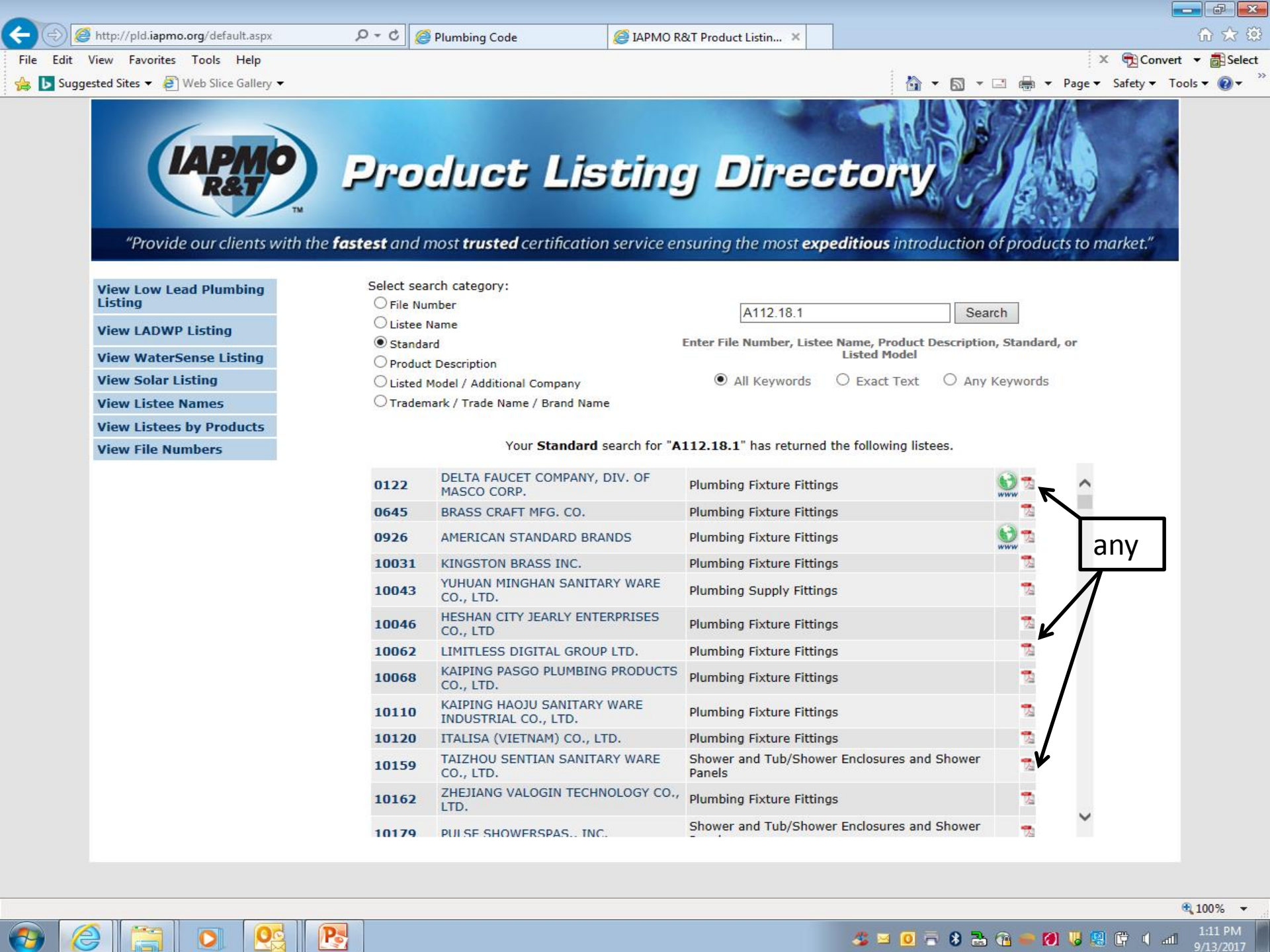


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Your **Standard** search for "A112.18.1" has returned the following listees.

0122	DELTA FAUCET COMPANY, DIV. OF MASCO CORP.	Plumbing Fixture Fittings	
0645	BRASS CRAFT MFG. CO.	Plumbing Fixture Fittings	
0926	AMERICAN STANDARD BRANDS	Plumbing Fixture Fittings	
10031	KINGSTON BRASS INC.	Plumbing Fixture Fittings	
10043	YUHUAN MINGHAN SANITARY WARE CO., LTD.	Plumbing Supply Fittings	
10046	HESHAN CITY JEARLY ENTERPRISES CO., LTD	Plumbing Fixture Fittings	
10062	LIMITLESS DIGITAL GROUP LTD.	Plumbing Fixture Fittings	
10068	KAIPING PASGO PLUMBING PRODUCTS CO., LTD.	Plumbing Fixture Fittings	
10110	KAIPING HAOJU SANITARY WARE INDUSTRIAL CO., LTD.	Plumbing Fixture Fittings	
10120	ITALISA (VIETNAM) CO., LTD.	Plumbing Fixture Fittings	
10159	TAIZHOU SENTIAN SANITARY WARE CO., LTD.	Shower and Tub/Shower Enclosures and Shower Panels	
10162	ZHEJIANG VALOGIN TECHNOLOGY CO., LTD.	Plumbing Fixture Fittings	
10179	PUI SE SHOWERSPAS., INC.	Shower and Tub/Shower Enclosures and Shower	

any

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Plumbing Code

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NOTES:

* Valve Trim to include handle(s), and may include showerhead, and/or tub spout.

** Faucets and valves with hose threads and hose bibs, when installed, shall be protected by an approved non-removable type backflow prevention device.

*** To be installed with a listed vacuum breaker in accordance with the Uniform Plumbing Code.

Prefix Key:

P/N Part Number

R Retail Sales

RB Retail Sales

P Project Pack

Prefix Key:

Products model numbers may be proceeded with "R" to indicate retail sales. Example: model K-XXXX is equivalent to model K-RXXXX.

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